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PUB-NO: JP411034481A
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TITLE: INK JET RECORDING PAPER AND ITS PRODUCTION

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ABSTRACT:

PROBLEM TO BE SOLVED: To increase ink absorbing capacity without uncessarily increasing a film thickness while holding a high ink absorbing speed by successively providing a void free ink absorbing layer containing a film hardening hydrophilic binder and a void-containing ink absorbing layer containing inorg. fine particles having a specific particle size and a hydrophilic binder on a support.

SOLUTION: A void free first ink absorbing layer containing a hydrophilic binder is provided on the side near to a support and a second ink absorbing layer having a void structure is provided on the first ink absorbing layer. The first ink absorbing layer is formed so that the hydrophilic binder is hardened in a film form so as to be swollen freely by the absorption of ink. The second ink absorbing layer contains inorg. fine particles with an average particle size of 100 nm or more and the hydrophilic binder. When the average particle size of the inorg. fine particles exceeds 100 nm, a sharp image is hard to obtain. Void capacity is set to 10-30 ml per 1m2 of recording paper. Ink absorbing capacity is increased without unnecessarily increasing film thickness while holding a high ink absorbing speed.



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